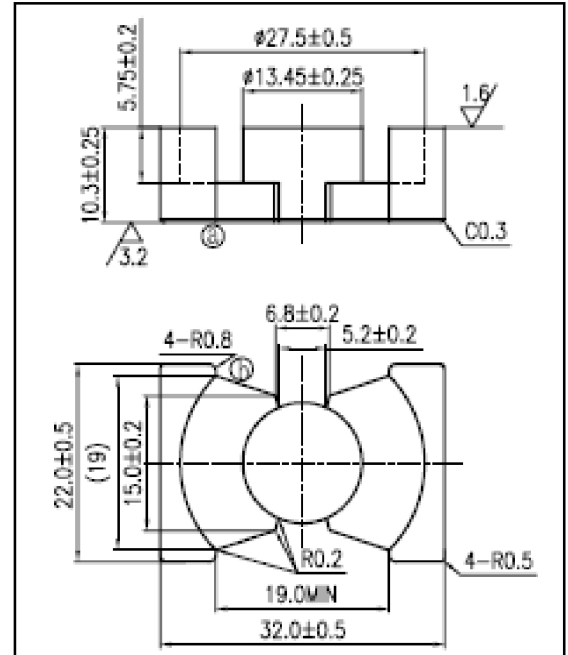


# CORE SETS

## Effective core parameters

| SYMBOL         | PARAMETER             | VALUE        | UNIT             |
|----------------|-----------------------|--------------|------------------|
| $\Sigma (1/A)$ | core factor ( $C_1$ ) | 0.31         | $\text{mm}^{-1}$ |
| $V_e$          | effective volume      | 7678.3       | $\text{mm}^3$    |
| $l_e$          | effective length      | 49.0         | mm               |
| $A_e$          | effective area        | 156.7        | $\text{mm}^2$    |
| $A_{\min}$     | minimum area          | 142.0        | $\text{mm}^2$    |
| $W_t$          | mass of core set      | $\approx 42$ | g                |



## Characteristic

| GRADE | AL (nH/N <sup>2</sup> ) | B (mT)                        | CORE LOSS (W)                 |  |
|-------|-------------------------|-------------------------------|-------------------------------|--|
|       | f=10kHz<br>U=0.25V      | H=250A/m<br>f=25kHz<br>T=100℃ | f=100kHz<br>B=200mT<br>T=100℃ |  |
| DMR40 | 6700 ± 25%              | ≥ 315                         | ≤ 5.88                        |  |
| DMR44 | 6700 ± 25%              | ≥ 315                         | ≤ 5.04                        |  |
| DMR47 | 6800 ± 25%              | ≥ 325                         | ≤ 3.69                        |  |
| DMR95 | 7500 ± 25%              | ≥ 315                         | ≤ 4.23                        |  |

| GRADE | AL (nH/N <sup>2</sup> ) | B (mT)                        | CORE LOSS (W)                |                            |
|-------|-------------------------|-------------------------------|------------------------------|----------------------------|
|       | f=10kHz<br>U=0.25V      | H=250A/m<br>f=25kHz<br>T=100℃ | f=500kHz<br>B=50mT<br>T=100℃ | f=3MHz<br>B=10mT<br>T=100℃ |
| DMR55 | 5200 ± 25%              | ≥ 300                         | ≤ 2.46                       | —                          |

## GAP

| GRADE | AL (nH)  | $\mu_e$ | GAP (mm) |
|-------|----------|---------|----------|
| DMR44 | 315 ± 3% | ≈ 83    | 0.79     |
| DMR44 | 400 ± 3% | ≈ 105   | 0.59     |
| DMR44 | 630 ± 3% | ≈ 166   | 0.35     |